Cloud Computing

This article was prepared by essay writing service. Cloud computing refers to the delivery of data, information and other computing resources over the Internet. Therefore, rather than keeping information and data in your personal computer and updating applications for your needs, one can use applications and service from a different location over the Internet and also store data and information. Examples of such services that are offered through cloud computing services are webmail, online business, social networking sites and online file storage.

In cloud computing a shared pool of resources is provided, storage of data space is also included, computer networks, processing power of computers and also user and corporate of user applications.

Benefits of Cloud Computing

- Accessibility to applications as utilities over the Internet.
- Configuration and manipulation of data can be done at any time.
- No special software is required to access and manipulate data or any other cloud application.
- Platform as a service model a programming runtime environment offers online deployment and development tools.
- On-demand self-service is used by a user at any time to interact with the cloud without the assist of the cloud service provide.
- Cloud resources being online provides platforms that are independent and available to any client at any time.
- Cloud computing provides balancing of load which makes it more reliable.

In the world of Information and technology today, many companies are embracing the use of the cloud systems, examples are, Salsify and Jelstics companies

Salsify Company is made up of a team of technology and e-commerce professionals who are dedicated in assisting other companies to share and manage the best content of product. With the right tools, they have the expertise of helping companies manage data and information attributes, market copying and images plus video.

Jelastic Company that delivers integration of Infrastructure-as-a-service and platform-as-a-service, provide a manageable, scalable and highly available cloud system for enterprise, hosting developers and providers.

Both companies have embraced the use of cloud computing even though it has risks, challenges merits and demerits.

Merits of Cloud Computing

In terms of cost efficient method to use, maintenance and upgrade, cloud computing is the most reliable. The purchase of softwares costs companies a lot of money, adding the license for each computer in an organization is very expensive. Cloud computing on the other hand is cheaper hence can significantly lower the company's Information Technology expenses. That is what the two companies mentioned above are doing, providing cloud services to clients.

Both Salsify and Jelastic have several data storage units running alongside the servers in the company thus providing unlimited storage to clients. Hence, one does not need to worry about running out of storage space.

Backup and recovery being the most important factor, restoration of data and information in case a client loses it from their personal computers, through may be virus, DDoS attacks or hard drives stops functioning, restoration will much easier, furthermore, most cloud service providers are qualified to handle data recovery.

Software integration occurs automatically in all cloud computing services. Hence less time is spent customizing and integrating the application to suit particular preferences. This type of aspect usually takes care of itself. Example is Salsify provides a platform mainly for e-commerce companies while Jelastic is all round.

Easy access to data and information from anywhere and at any time of a day, provided you are registered and you have Internet connectivity with you.

Demerits of Cloud Computing

Cloud computing though it can be accessed from anywhere at any time and data plus information can be gotten, one should be aware that the technology is prone to outages and technical issues. A very good Internet service should always be available to be logged in to the servers at all times and sometime can get stuck because of network or connectivity problems

Security in the cloud is a major issue, before one decides to adopt this type of method, one should know that you will have to surrender all the sensitive documents about your company to a third party cloud service provider. Thus, this is potentially putting you company in great risk, hence, one has to ensure that you choose a reliable service provider who will ensure that the information is totally secure.

Prone to attacks because of the increase in cybercrime. The storing of data in the cloud could be very dangerous and that the company is vulnerable to attacks, external hacks and threats. Now a days nothing on the Internet is secure and hence there is always a lurking possibility of stealth of sensitive data.

Recommendation

Government websites and databases, example the National Security Agency and Central Intelligence Agency should not be placed in the cloud system. This is because of the growing rate of cyber-crime in the world plus also as new technologies emerge to protect the cases of cybercrimes, even the hackers evolve and get new techniques. So, it’s not a good idea to put government database and website on the cloud instead it will be better to have them run on a VPN (Virtual Private Network) in their own servers. Another issue is Isolation failure, whereby, the risks involved here includes the failure of isolation mechanism that separates storage, memory and routing between different tenants (clients).

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